HyperText Markup Language

Elemente de bază

- HTML este un limbaj de adnotare
- Marcajele adaugă hipertext şi informaţii de formatare

<TITLE> Introducere în HTML </TITLE>

Începutul elem. **title**

Textul care va fi formatat

Sf. Elem. **title**

- Titluri: <h1>Capitol</h1>, <h2>Subcapitol</h2>, ..., <h6>Secţiune</h6>,

Struct. Doc.

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2//EN">
<html>

<head>
  <title> Ionescu Andreea </title>
</head>

<body>
</body>

</html>
```

Caractere speciale

- HTML include entităţi speciale descriu caracterele internationale şi speciale;
- Forma generală:

& amp;

semnul "&" sign denotă un caracter special

marcaj de sfârşit

codul caracterului (în acest caz, codul pt. '&')

Hiperlegături

** Cuprins **

Elem. Anchor

Atribut al Elem. Anchor

Descriere

Sfârşit de elem.

Va fi creată o hiperlegătură către 'index.html'

HTML

- Forţarea trecerii la linie nouă:
```
<p>E-mail-ul meu este:<br />
mihaela@infoiasi.ro<br />, însă nu
garantez că răspund.</p>
```
- Spaţii indestructibile: `Coca Cola`
- Hiperlegături interne:
```
<a href="#3">Construire prez.</a>
...
<a id="1" name="1"></a>
<h5>CONSTRUIREA PREZENTĂRII</h5>
```

HTML

- Text preformatat:

```
<pre>
  &lt;style&gt;
      input {width: 100px;}
  &lt;/style&gt;
</pre>
```

- Evidenţiere – prin asocierea de proprietăţi de stil:

```
pre{ border-bottom: solid thin navy 1px;
     border-top: solid thin navy 1px;
     width: 100%;
     font-family: "Courier New", monospace;
     font-size: 10pt;
   }
```

HTML

- Asocierea de text imaginilor:

```
<p><img src= "compkey.jpg"
align="right"> Imagine afişată la
dreapta textului.</p>
```

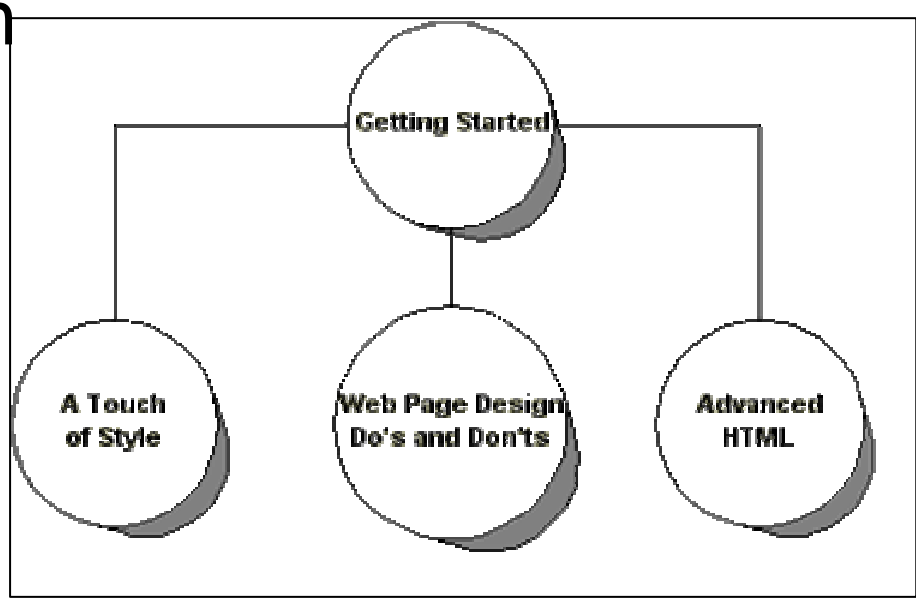
Imagine afişată la dreapta textului.

```
<p><img src="comp-mse.gif"
align="left"> Imagine afişată
<br clear="all">
&icirc;n interiorul
textului.</p>
```

Imagine afişată în interiorul textului.

HTML | hărți senzitive

- Punctul de reper: colţul stânga sus
- Se pot defini zone de 3 forme:
  - **rect**: left-x, top-y, right-x, bottom-y
  - **circle**: center-x, center-y, radius
  - **poly**: x1,y1, ... xn,yn
- Atributul nohref: permite suprapuneri de zone senzitive



HTML | hărți senzitive

```
<p align="center">
   <img src="pages.gif" width="384" height="245"
     alt="site map" usemap="#sitemap" border="0">
   <map name="sitemap">
      <area shape="circle" coords="186,44,45"
         href="Overview.html" alt="Start">
      <area shape="circle" coords="42,171,45"
         href="Style.html" alt="Style">
      <area shape="circle" coords="186,171,45"
         alt="Web Page Design">
      <area shape="circle" coords="318,173,45"
         href="Advanced.html" alt="Advanced">
   </map>
</p>
```

Formulare

- Un formular Web permite interacţiunea cu utilizatorii

- Exemple de utlizare:
  - Chestionare on-line
  - Formulare pentru trimitere e-mail
  - Guest Books

Formulare

Metode de transmitere a datelor spre server:

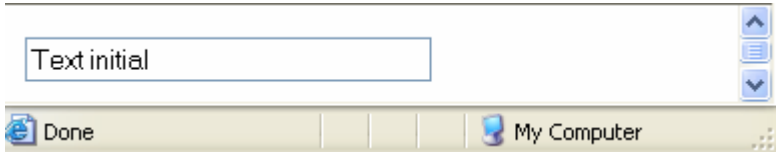
- **GET** –datele din formular sunt incluse in URL-ul de destinatie ca sir de introgare
- **POST** –URL-ul destinaţie arată obişnuit, fără elemente suplimentare adaugate la sfirsitul adresei Web

Formulare

- form: method, action
- input: type, name, value, checked, disabled, size, maxlength, readonly
  - type: text, password, hidden, checkbox, radio, button, submit, image, reset, file
- option
- select
- textarea

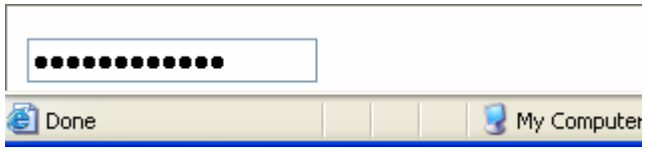
Atributul “type”

- **text**




```
<form method="..." action="...">
   <input type="text" size="30"  value="Text initial" name="subiect">
</form>
```

- **password**




```
<form method="..." action="...">
  <input type="password" size="20"  name="parola" maxlength="25">
</form>
```

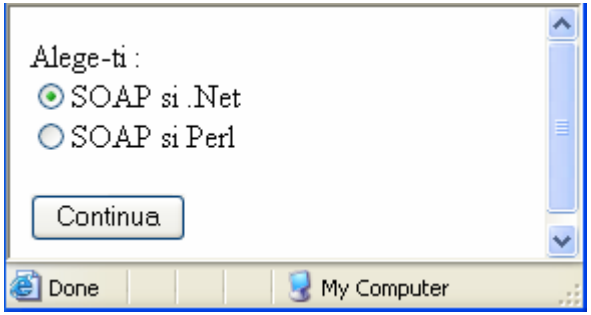
- **hidden**:

```
<input type=“hidden” name=“adresa” value=“web@infoiasi.ro” >
```

Atributul “type”

- **Checkbox**

```
<form method="..." action="...">
    <h5 align="center">Ma abonez la stiri: <input type="checkbox"
  name="parola"  checked>
     Mesajele vor fi filtrate: <input type="checkbox"  name="parola" ></h5>
</form>
```



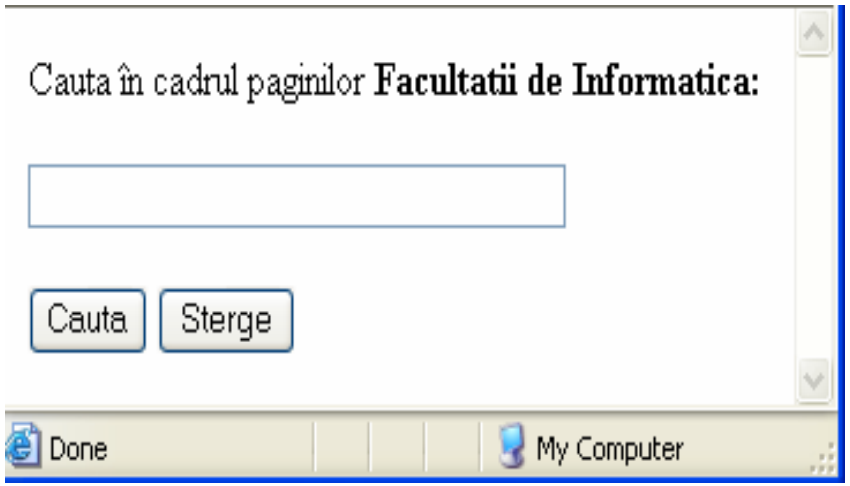
- **Radio**
- **Button**

```
<form method="..." action="...">
 Alege-ti :</br>
  <input type="radio"  name="domeniu"  value="auto" checked="checked">
                    SOAP si .Net </br>
  <input type="radio"  name="domeniu"  value="manual">
                    SOAP si Perl</br></br>
  <input type="button" name="buton" value="Continua" >
 </form>
```

Atributul “type”

- **submit**
- **image:** <input type=“image” src=“cauta.gif” alt=“Cauta”>
- **reset**

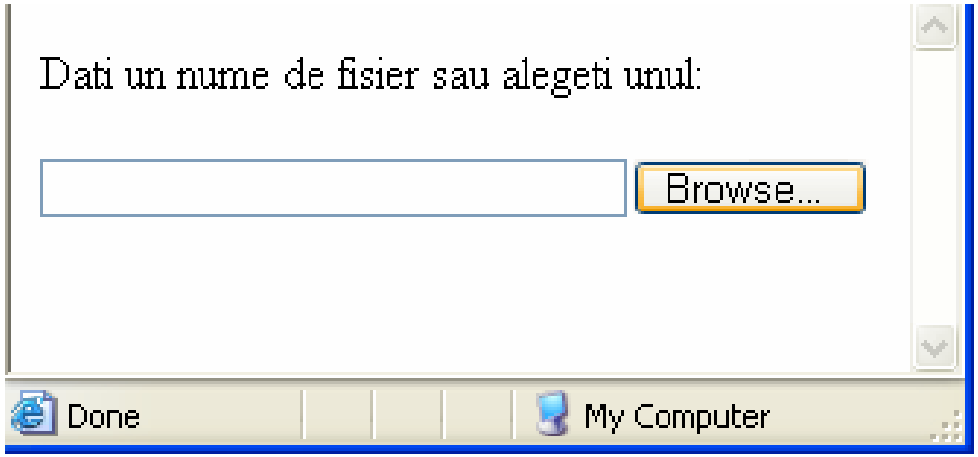
```
<form method="GET" action="http://www.infoiasi.ro/.../search.cgi">
    <p> Cauta &icirc;n cadrul paginilor <b>Facultatii de
   Informatica:</b></p>
    <input name="termeni" size="35"
      maxlength="50"    value=""></br>
    <input type="submit" value="Cauta"
    <input type="reset"  value="Sterge">
</form>
```



Atributul “type”

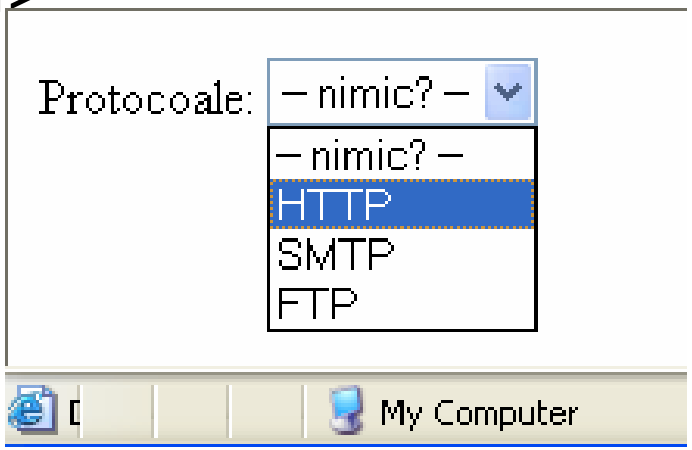
- **File**

```
<p> Dati un nume de fisier sau alegeti unul:</p>
   <form action="..." method="...">
         <input type="file" name="fisier" size="30">
   </form>
```



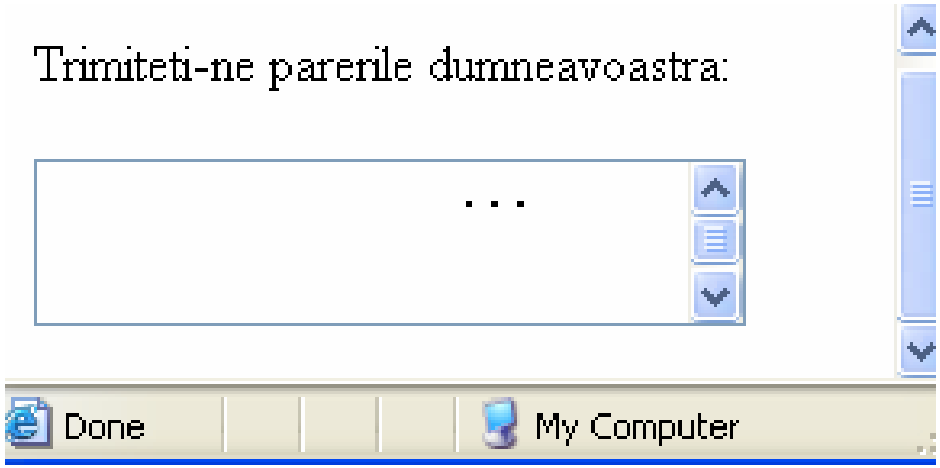
Select

```
<form name="formular">
 <p>Protocoale:
   <select name="protocoale" size="1">
     <option value="" selected>-- nimic? --</option>
     <option value="" >HTTP</option>
     <option value="" >SMTP</option>
     <option value="" >FTP</option>
   </select>
 </form>
```



TextArea

```
<form name="impresii">
  <p>Trimiteti-ne parerile dumneavoastra:</p>
   <textarea name="scrisoare" rows="3"
   cols="25">...
    </textarea>
 </form>
```



Întrebări?